

LITERATURE CITED

- Abbruzzese, B. and S. G. Leibowitz. 1997. A synoptic approach for assessing cumulative impacts to wetlands. *Environmental Management* 21:457-475.
- Boughton, D. A., E. R. Smith, and R. V. O'Neill. 1999. Regional vulnerability: a conceptual framework. *Ecosystem Health* 5:312-322.
- Burris, R. K. and L. W. Canter. 1997. Cumulative impacts are not properly addressed in environmental assessments. *Environmental Impact Assessment Review* 17:5-18.
- Canter, L. W. and R. Clark. 1997. NEPA effectiveness-a survey of academics. *Environmental Impact Assessment Review* 17:313-327.
- Canter, L. W. and J. Kamath. 1995. Questionnaire checklist for cumulative impacts. *Environmental Impact Assessment Review* 15:311-339.
- Caruso, B. S. and R. C. Ward. 1998. Assessment of nonpoint source pollution from inactive mines using a watershed-based approach. *Environmental Management* 22:225-243.

Cederstrand, J. and A. Rea. 1995. *Watershed boundaries for Oklahoma*. OFR 95-727. U.S. Geological Survey, Oklahoma City, OK.

Clevenger, A. P., J. Wierzchowski, B. Chruszcz, and K. Gunson. 2002. GIS-generated, expert-based models for identifying wildlife habitat linkages and planning mitigation passages.

Conservation Biology 16:503-514

Costanza, R. and M. Ruth. 1998. Using dynamic modeling to scope environmental problems and build consensus. *Environmental Management* 22:183-195

Cox, L. H. and W. W. Piegorsch. 1996. Combining environmental information. I.: Environmental monitoring, measurement, and assessment. *Environmetrics* 7:299-208.

Dale, H., A. W. King, L. K. Mann, R. A. Washington-Allen, and R. A. McCord. 1998. Assessing land-use impacts on natural resources. *Environmental Management* 22:203-211.

Dale, V. H., R. V. O'Neill, F. Southworth, and P. Pedlowski, 1994. Modeling effects of land management in the Brazilian Amazonian settlement of Rondonia. *Conservation Biology* 8:196-206.

Dickert, T. G. and A. E. Tuttle. 1985. Cumulative impact assessment in environmental planning: a coastal wetland watershed example. *Environmental Impact Assessment Review* 5:37-64.

EPA 1999. Guidance for performing aggregate exposure and risk assessments.

Espejel, I., D. W. Fischer, A. Hinojosa, C. Garcia, and C. Levy. 1999. Land use planning for the Guadalupe Valley, Baja California, Mexico. *Landscape and Urban Planning* 45:219-232.

Howard, D. C. and R. G. H. Bunce. 1996. The countryside information system: a strategic-level decision support system. *Environmental Monitoring and Assessment* 39:373-384.

Iverson, L. R., D. L. Szafoni, S. E. Baum, E. A. Cook. 2001. A riparian wildlife habitat evaluation scheme developed using GIS. *Environmental Management* 28:639-654.

Ji, W. and P. Leeberg. 2002. A GIS-based approach for assessing the regional conservation status of genetic diversity: an example from the southern Appalachians. *Environmental Management* 29:531-544

Jones, K. B., A. C. Neale, M. S. Nash, R. D. Van Remortel, J. D. Wickham, K. H. Riitters, and R. V. O'Neill. 2001. Predicting nutrient and sediment loadings to streams from landscape metrics: a

multiple watershed study from the United States Mid-Atlantic Region. *Landscape Ecology* 16:301-312

Kahn, A. E. 1966. The tyranny of small decisions: market failures, imperfections, and the limits of economics. *KYKLOS* 19:23-45.

Karydis, M. 1996. Quantitative assessment of eutrophication: a scoring system for characterizing water quality in coastal marine ecosystems. *Environmental Monitoring and Assessment* 41:233-246

Laskowski, S. L. and F. W. Kutz. 1998. Environmental data in decision making in EPA regional offices. *Environmental Monitoring and Assessment* 51:15-21.

Leibowitz, S. G., C. Loehle, B-L. Li, and E. M. Preston. 2000. Modeling landscape functions and effects: a network approach. *Ecological Modelling* 132:77-94

McCold, M. and J. W. Saulsbury. 1996. Including past and present impacts in cumulative impact assessments. *Environmental Management* 20:767-776.

Miller, W., M. Collins, F. Steiner, and E. Cook. 1998. An approach for greenway suitability analysis. *Landscape and Urban Planning* 42:91-105.

Montgomery, D. R., G. E. Grant, and K. Sullivan. 1995. Watershed analysis as a framework for implementing ecosystem management. *Water Resources Bulletin* 31:369-385.

Moschandreas, D. J. and S. Karuchit. 2002. Scenario-model-parameter: a new method of cumulative risk uncertainty analysis. *Environment International* 28:247-261

Mysz, A. T., C. G. Maurice, R. F. Beltran, K. A. Cipollini, J. P. Perrecone, K. M. Rodriguez, and M. L. White. 2000. A targeting approach for ecosystem protection. *Environmental Science and Policy* 3:347-35

Odum, W. E., 1982. Environmental degradation and the tyranny of small decisions. *BioScience* 32:728-729.

O'Neill, R. V., K. H. Riitters, J. D. Wickham, and K. B. Jones. 1999. Landscape pattern metrics and regional assessment. *Ecosystem Health* 5:225-233

Osowski, S. L. , J. D. Swick, Jr., G. R. Carney, H. B. Pena, J. E. Danielson, and D. A. Parrish. 2001. A watershed-based cumulative risk impact analysis: environmental vulnerability and impact criteria. *Environmental Monitoring and Assessment* 66:159-185

Partidario, M. R. 1996. Strategic environmental assessment: key issues emerging from recent practice. *Environmental Impact Assessment Review* 16:31-55.

Peccol, E., C. A. Bird, and T. R. Brewer. 1996. GIS as a tool for assessing the influence of countryside designations and planning policies on landscape change. *Journal of Environmental Management* 47:355-367.

Piegorsch, W. W. and L. H. Cox. 1996. Combining environmental information. II: Environmental epidemiology and toxicology *Environmetrics* 7:309-324.

Rees, W. E. 1995. Cumulative environmental assessment and global change. *Environmental Impact Assessment Review* 15:295-309.

Serveiss, V. B. 2002. Applying ecological risk principles to watershed assessment and management. *Environmental Management* 29:145-154.

Smits, B. and H. Spaling. 1995. Methods for cumulative effects assessment. *Environmental Impact Assessment Review* 15:81-106.

Stakhiv, E. Z. 1988. An evaluation paradigm for cumulative impact analysis. *Environmental Management* 12:725-748

Steiner, F., J. Blair, L. McSherry, S. Guhathakurta, J. Marruffo, and M. Holm. 2000a. A watershed at a watershed: the potential for environmentally sensitive area protection in the upper San Pedro Drainage Basin (Mexico and USA). *Landscape and Urban Planning* 49:129-148

Steiner, F., L. McSherry, and J. Cohen. 2000b. Land suitability analysis for the upper Gila River watershed. *Landscape and Urban Planning* 50:199-214

Store, R. and J. Kangas. 2001. Integrating spatial multi-criteria evaluation and expert knowledge for GIS-based habitat suitability modeling. *Landscape and Urban Planning* 55:79-93.

Sullivan, W. C., F. E. Kuo, and M. Prabhu. 1996. Assessing the impact of environmental impact statements on citizens. *Environmental Impact Assessment Review* 16:171-182.

Suter, G. W. 1993. A critique of ecosystem health concepts and indices. *Environmental Toxicology and Chemistry* 12:1533-1539.

Theobald, D. M., J. R. Miller, and N. T. Hobbs. 1997. Estimating the cumulative effects of development on wildlife habitat. *Landscape and Urban Planning* 39:25-36

Theobald, D. M., N. T. Hobbs, T. Bearly, J. A. Zack, T. Shenk, and W. E. Riebsame. 2000.

Incorporating biological information in local land-use decision making: designing a system for conservation planning. *Landscape Ecology* 15:35-45.

Tinker, D. B., C. A. C. Resor, G. P. Beauvais, K. F. Kipfmüller, C. I. Fernandes, and W. L. Baker. 1998. Watershed analysis of forest fragmentation by clearcuts and roads in a Wyoming forest. *Landscape Ecology* 13:149-165.

TNRCC. 1996. *The statewide watershed management approach for Texas-a guidance manual for TNRCCs Office of Water Resource Management.* August 29 Draft.

Tran, L. T., C. G. Knight, R. V. O'Neill, E. R. Smith, K. H. Riitters, and J. Wickham. 2002. Fuzzy decision analysis for integrated environmental vulnerability assessment of the Mid-Atlantic Region. *Environmental Management* 29:845-859.

Treweek, J. and N. Veitch. 1996. The potential application of GIS and remotely sensed data to the ecological assessment of proposed new road schemes. *Global Ecology and Biogeography Letters* 5:249-257.

Wang, X. and Z-Y. Yin. 1997. Using GIS to assess the relationship between land use and water quality at a watershed level. *Environment International* 23:103-114.

Wickham, J. D., K. B. Jones, K. H. Riitters, R. V. O'Neill, R. D. Tankersley, E. R. Smith, A. C. Neale, and D. J. Chaloud. 1999. An integrated environmental assessment of the Mid-Atlantic Region. *Environmental Management* 24:553-560.

Xiang, W-N. 2001. Weighting-by-choosing: a weight elicitation method for map overlay.

Landscape and Urban Planning 56:61-73

Zhang, M., S. Geng, and S. L. Ustin. 1998. Quantifying the agricultural landscape and assessing spatio-temporal patterns of precipitation and groundwater use. *Landscape Ecology* 13:37-53.